



Workshop on ACT-R Models of Human-System Interaction

Agenda

Dates: January 9-11, 2002

Location: Arizona Golf Resort, Mesa, Arizona

Room: Fairway Conference Center 3

January 9

- 8:30 Welcome, Introductions, and Workshop Overview
- 9:00 *fMRI and ACT-R* (John Anderson)
- 10:00 Break/Discussion
- 10:30 *Integrating ACT-R and Task Network Models* (Christian Lebiere)
- 11:30 Lunch
- 1:00 *Pre-Task Appraisal and Caffeine: An Architectural Overlay for ACT-R* (Frank Ritter, Isaac Council) (Isaac Council)
- 2:00 Break/Discussion
- 2:30 *A Simple Theory of Complex Skill Acquisition* (Frank Lee, Niels Taatgen)
- 3:30 Break/Discussion
- 4:00 *The ARGUS Model in ACT-R 5.0* (Wayne Gray, Mike Schoelles)
- 5:00 Dinner

January 10

(Morning activities at Mesa Research Site)

- 8:30 Visitor Check-In
- 8:45 *Warfighter Training Research Division Overview* (LtCol Stu Rodgers)
- 9:30 Performance and Learning Models Lab - UAV Synthetic Task Demo
- 10:30 Distributed Mission Training Testbed Demo

(Lunch and afternoon presentations at Arizona Golf Resort)

- 11:30 Lunch
- 1:00 *Modeling Crew Interaction* (Bob Holt, Deborah Boehm-Davis)
- 2:00 Break/Discussion
- 2:30 *Modeling Errors in Taxiing of Commercial Aircraft* (Mike Byrne)
- 3:30 Break/Discussion
- 4:00 *Modeling and Predicting Driver Behavior in ACT-R* (Dario Salvucci)
- 5:00 Dinner

January 11

- 8:30 *Modeling Basic Maneuvering with the Predator UAV* (Kevin Gluck, Jerry Ball, Mike Krusmark)
- 9:30 Discussion Topic: ACT-R Strengths and Emerging Idioms for Modeling HSI
- 10:30 Discussion Topic: ACT-R Challenges and How to Address Them
- 11:30 Lunch